

MODIS TECHNICAL TEAM MEETING

June 24, 1999

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Bill Barnes, Steve Kempfer, and Eric Vermote, with Deborah Howard taking the minutes.

1.0 SCHEDULE OF EVENTS

IGARSS '99 (Hamburg, Germany)	June 28–July 2, 1999
PI Processing Meeting (GSFC) Building 32, Room E103	July 13, 1999, 9:30 a.m. (Tuesday)
Semi-annual Reports Due (For January–June 1999)	July 15, 1999
SAFARI Program Implementation Meeting (Gaborone, Botswana)	July 26–30, 1999
Terra Launch Vandenberg Air Force Base	No earlier than August 27, 1999
AGU 1999 Fall Meeting (San Francisco, CA)	December 13–17, 1999
AGU 2000 Spring Meeting (Washington, DC)	May 30–June 3, 2000
IGARRS '00 (Honolulu, HI)	July 24–28, 2000
EOS-PM Launch	December 2000

Note: The PI Processing meeting is usually held on a Wednesday. Please note that the July meeting will be held on a Tuesday. Also, no PI Processing Meeting is scheduled for August. Meetings will resume in September.

2.0 MINUTES OF THE MEETING

2.1 Overview

Salomonson began the MODIS Technical Team meeting with a brief discussion of

how to get information to the Science Team and Technical Team on a rapid basis. He said that he had asked Conboy and Hohner to consider developing a Web page for the MODIS Web site that could accommodate daily communication, such as a bulletin board, or as an alternative some sort of quick e-mail. Kempler suggested posting information on the DAAC page. Salomonson said that more than one Web location might be useful. Vermote said that subscription e-mail for the production side of the MODIS team had been discussed at the last PI Processing meeting and that this might be an option. Barnes suggested that Conboy's distribution list for the Technical Team Minutes might be the appropriate list for such e-mail.

2.2 Instrument Report

Salomonson asked about how thermal vacuum testing is proceeding. Barnes reported that there is still drift (around 25 DN) in the output signal as the sensor enters the Earth view sector. A second problem is with the LWIR heater control on the focal plane. On one side it controls the FPA temperature very well (1 millikelvin), while on the other (redundant) side it is not working well (100 millikelvin). These problems are being worked. Barnes stated that the thermal vacuum testing schedule may be extended.

2.3 GDAAC

Kempler reviewed the GDAAC Notes for MODIS Technical Team Meeting - 6/24/99 (Attachment 1). He reported that the DAAC has launch-ready PGEs in-house that are successfully promoting to Ops mode more quickly than previously, with around a 2-day turnaround. This is attributable to getting better at Science Software Integration and Test (SSIT) (lessons learned from previous SSITs, and SSIT becoming more routine) and cleaner code coming from MCST. Also, PGEs are being chained more quickly. Salomonson said that he had noticed that it is closer to clock time. Kempler said that performance improved from 4 hours of data run in 20 hours to 4 hours of data run in 7 hours.

The DAAC is developing a new chart that shows staffing, training, operations, procedures, and certification. Also, more of the manual procedures are being documented.

Vermote asked a question about why Attachment 1 shows PGE02 in Ops mode and also as chain tested in TS1. Kempler replied that PGE02 has already been chain tested and is now in Ops mode.

2.4 MODAPS

Salomonson asked about the status of data going out of MODAPS. Vermote replied that the Metadata Configuration File (MCF) problem is being worked; ESDTs need to be compliant with the ECS system. It's a problem if MCFs are not in sync with the ECS system before testing.

Vermote said that MODAPS is running for installation tests. Preparation for MOSS-2 is ongoing and the MOSS-2 schedule has changed. Dry run 0 is this week and dry run 1 is next week, followed by 2 weeks when MODAPS does not participate. Then, MOSS -2 runs through July 27. This effects the Y-day test schedule. Kemppler commented that the schedule looks good and it will keep us focused. Vermote agreed it is a good plan for testing interfaces between the DAACs and MODAPS.

Vermote also showed those present samples of new L1B and surface reflectance data based on model inversion from SeaWiFS data. It has more variability in reflectances and is closer to “real” data than the samples Vermote showed the Technical Team at the June 11 meeting.

2.5 MAST

Howard said that the MODIS Working Group on L1 Product Suites would begin to hold regular weekly meetings beginning July 7. As the MAST technical writer, she will record the minutes for those meetings.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. Discipline Leaders and Support Team Leaders: Inputs for the EOS Data Products Handbook PM-1 Vol. 2 are due to Barbara Conboy by May 24, 1999.

Status: This item remains open. Conboy is waiting for Oceans inputs. The revised date for inputs for the PM-1 Data Products Handbook is June 17, 1999.

2. Murphy: Create a mechanism for coordinating MODIS operations and other schedules that includes an interactive listing. It should be more than a passive posting of schedules on the World Wide Web. Such an interactive schedule could be used by MODIS science discipline teams to coordinate field campaigns or by the operations group to coordinate MODIS activities with the other Terra instruments' activities.

Status: This item remains open.

3. Hohner and Howard: Develop a weekly MODIS news page linked to the MODIS home Web site. It should include hot items and reflect weekly progress.

Status: This item remains open.

4. Murphy: Investigate the status of direct broadcast and present an update to the

Technical Team.

Status: This item remains open.

5. Masuoka: Submit an EOS-PM Data Product Update to ESDIS.

Status: This action item remains open.

6. Masuoka: Examine status of DAO ancillary products for MODIS.

Status: This item remains open.

7. Barnes: Work with Wayne Esaias to complete the written and vugraph versions of the Oceans Validation Plan.

Status: This action item remains open. Esaias has submitted the narrative version of the Oceans Validation Plan to Michael King. The vugraph version is pending.

3.2 Closed Action Items

1. MODIS Community: Last call for Terra Launch; updates/additions due to Barbara Conboy by May 20, 1999.

Status: Conboy submitted MODIS' list to PAO . Since launch has been postponed, additional updates/additions are forwarded to PAO when received.

2. Murphy: Clarify the data release agreements between NASA and NOAA on MODIS data, including MODIS requirements and which of these requirements NOAA will accommodate. Discuss these items with Legg and Tarpley of NOAA.

Status: This item is closed. It was agreed to have MODIS representatives serve on the NESDIS data product review boards.

3. Murphy: Follow up on the status of the PI Processing working agreement with ESDIS.

Status: This item is closed as of March 11, 1999. The conveyance memo from SDDTs and Discipline Leaders was signed.